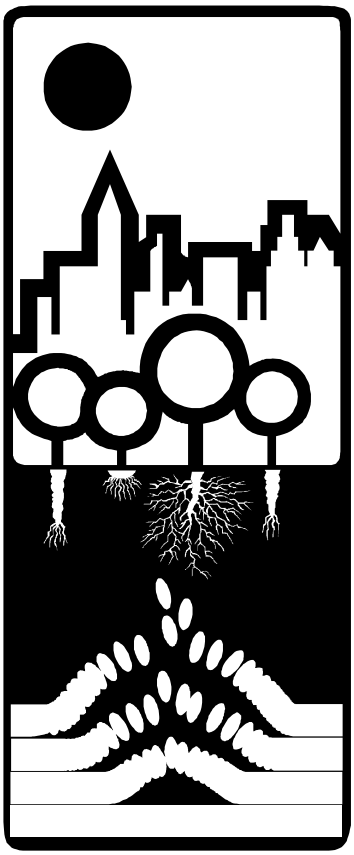
United States
Department of
Agriculture

Natural
Resources
Conservation
Service

Soil Survey Schedule NASIS 4.0



National Soil Information System

NASIS

For NASIS support, contact the National Soil Survey Center Hotline:

NSSC Hotline

Telephone:	402-437-5378 (Steve Speidel) 402-437-5379 (Tammy Cheever) 402-437-4003 (Secretary for Hotline)
E-mail:	hotline@nssc386.nssc.nrcs.usda.gov OR nssc386!hotline
Mailing address:	NSSC, Federal Bldg., Room 152 100 Centennial Mall North Lincoln, NE 68508-3866
WWW address:	http://nasis.nrcs.usda.gov

UNIX is a registered trademark in the United States and other countries, licensed exclusively through X/Open Company Limited.

Informix is a registered trademark of Informix Software, Inc.

X Window System is a registered trademark of The Massachusetts Institute of Technology.

SunOS, Solaris, *OpenWindows*, *Solaris CDE*, *OpenLook*, and *SPARC* are trademarks of SunSoft, Inc.

Motif is a registered trademark of The Open Software Foundation.

HyperHelp is a registered trademark of Bristol Technologies, Inc.

Adobe Acrobat is a registered trademark of Adobe Systems Incorporated.

Microsoft Windows is a registered trademark of Microsoft Corporation.

Prelude is a registered trademark of VenturCom, Inc.

HP-VUE and *HP-UX* are registered trademarks of Hewlett-Packard Company.

The United States Department of Agriculture (USDA) prohibits discrimination in its programs on the basis of race, color, national origin, sex, religion, age, disability, political beliefs and marital or familial status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD).

To file a complaint, write the Secretary of Agriculture, U.S. Department of Agriculture, Washington, DC 20250, or call 1-800-245-6340 (voice) or (202)720-1127 (TDD). USDA is an equal opportunity employer.

Preface

Welcome to National Soil Information System (NASIS) *Soil Survey Schedule User Guide*, your guide to managing Soil Survey Operations in NASIS.

In this guide, you will learn how to set up and maintain the Soil Survey Schedule for individual legends in NASIS. Prior to NASIS 4.0, the Soil Survey Schedule was maintained in SSSD.

Conventions Used in this Manual

To help you learn NASIS more efficiently, read the typographical conventions below that are used throughout this manual.

General conventions

- Bold text is used to show keystrokes, items selected from a menu or choice list, and words or characters you type while using the NASIS program. For example:

  Choose the **View** menu by clicking it with the left mouse button.
  Click the **Help** button on the upper right of your toolbar.
  In the Index tab dialog, type **conventions**, and then click the **Display** button.

- Monospaced text is used to show commands performed from the *UNIX* prompt outside the NASIS software. For example:

  Extract the software from the tape by typing:
  `tar -xvf [your tape device name]`

Keyboard conventions

- The keys on your keyboard may not be labeled exactly as described in this manual.
- Key combinations are frequently used in the tutorial lessons. For example, **SHIFT+F1** means hold down the **SHIFT** key while pressing the **F1** key.
- The **ENTER** key on some keyboards is labeled **RETURN**. In this manual, we use the **ENTER** key. For example:

  Type **`InstallHH`** and press **ENTER**.

Mouse conventions

If you have a mouse with multiple buttons, the left button is the primary mouse button unless you have configured it differently. Procedures that instruct you to click on an item imply the use of the primary button. If a procedure requires you to click one of the other mouse buttons, you will be explicitly instructed to do so.

Where to Find Additional Help

It is assumed that personnel managing the Soil Survey Schedule (whether project office, state office or MLRA office personnel) are familiar with NASIS. NASIS resources include:

- *NASIS Getting Started 4.0* contains conceptual and tutorial information for operating NASIS.
- *NASIS online help* contains hundreds of help topics organized like a table of contents that you can browse. Alternatively, you can access topics from a keyword search function (Index) or from a full-text search function (Find).
- *NASIS Home Page* is a storehouse of valuable and current information related to versions of the NASIS software and the development efforts. The Home Page offers a convenient search function specific to NASIS information on the Web. Visit the Web Site at http://nasis.nrcs.usda.gov.
- *Help Desk* support is available through the National Soil Survey Center hotline. Current contact numbers for hotline personnel are located on the inside cover of this manual.

Updates to *NASIS Soil Survey Schedule User Guide*

As updates are made to the NASIS software and to this manual, announcements of new features and instructions for replacing pages will be provided in Release Notes. Updated pages will include the new release number and date.

In the near future a Web application will be available to provide access to manage and report Soil Survey Schedule data from non-traditional NASIS users.

Contents

Chapter 1 Introduction

The Soil Survey Schedule is a soil survey program management tool for planning, managing and tracking status, milestone events, and progress of the National Cooperative Soil Survey Program (NCSS).

The initial implementation of the Soil Survey Schedule in NASIS 4.0 meets the short-term requirements for tracking and managing the critical soil survey program needs. While the initial emphasis is providing the soil survey program from a national perspective with reporting administrative program accountability and performance measurement capabilities, it also provides the field with tools to manage the soil survey program at a more local level.

The NASIS Soil Survey Schedule provides the capability to:

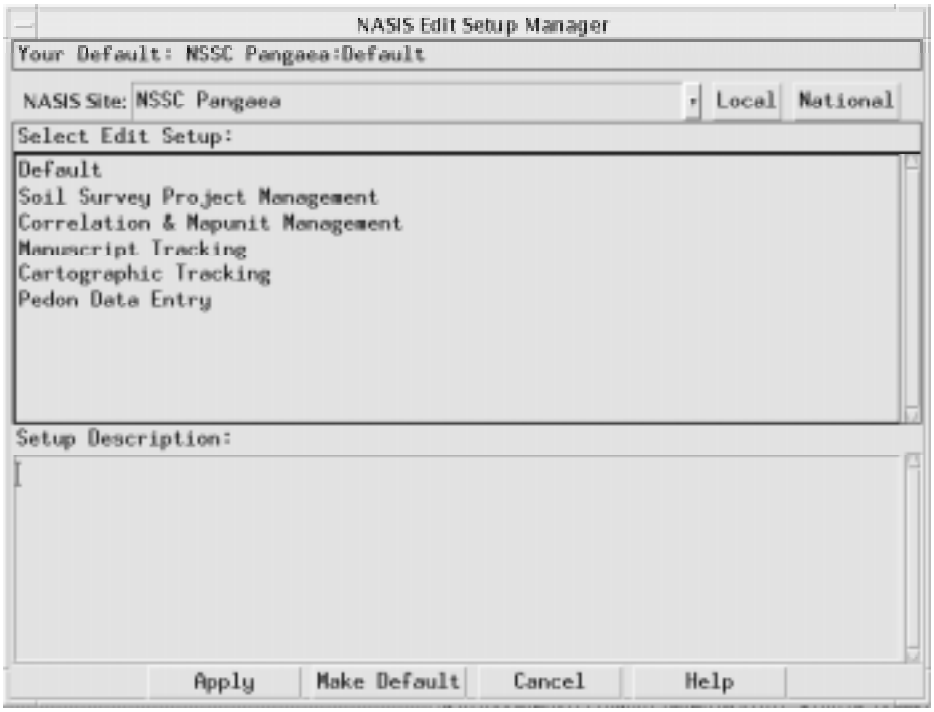
- Set fiscal year mapping goals, with the capability to assign those goals to the survey team as a whole or individually by survey team member.
- Record survey staff members for the survey area.
- Report mapping progress by combined survey team accomplishment or report by individual team members.
- Record the breakdown of land category acres in the survey area.
- Record, manage and track the progress of various soil survey products such as, interim report, web publication, publication on CD-ROM, or traditional bound manuscript.
- Manage and record general legend elements such as, survey status, MOU, agency responsible, project completion date, project scale, and land category acre breakdown.
- Manage and schedule imagery needs
- Manage and track compilation and digitizing for SSURGO.
- Schedule, manage and track the editorial process of soil survey report development
- Report Soil Survey Schedule data on various administrative levels, e.g. project office, state, MLRA, regional or national.

This user guide provides an outline and descriptions to manage the various parts of the Soil Survey Schedule. It also provides suggested guidelines and techniques, and provides background information on the program importance of selected elements.

Chapter 2 Managing Soil Survey Schedule

The Pangaea database contains several edit setups for use with the soil survey schedule. These are:

- Soil Survey Project Management
- Correlation & Mapunit management
- Manuscript Tracking
- Cartographic Tracking



In each of the major section in chapter 2 Managing Soil Survey Schedule the edit setup that could be used to simplify the edit window is noted with the convention of

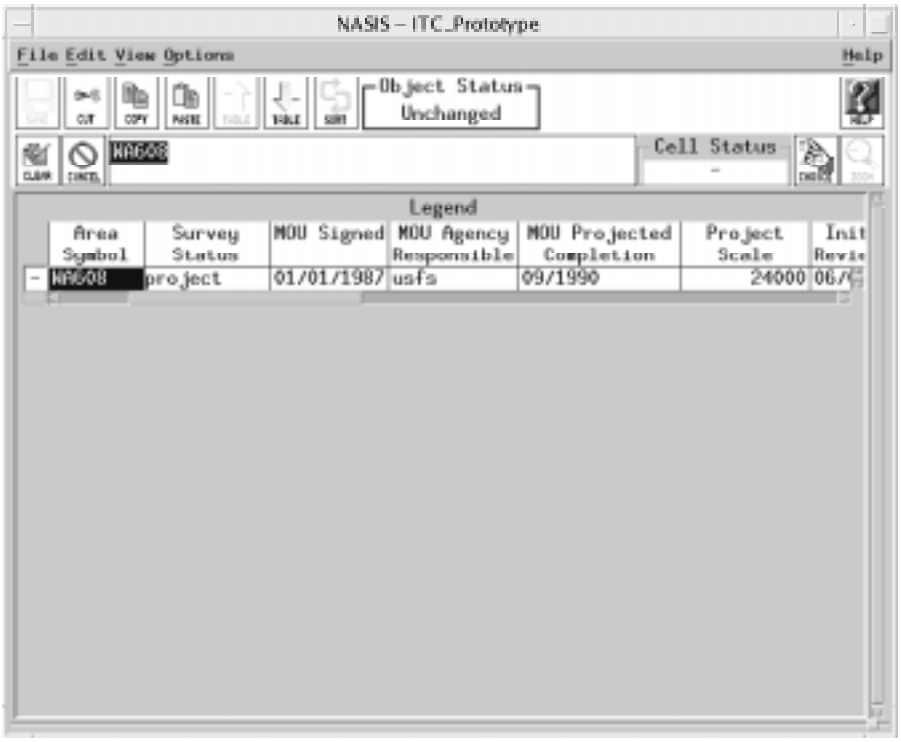
Edit Setup - **Manuscript Tracking**

The business areas primarily responsible for managing the data element are identified following the data element (for example, Survey Status (MO/state).

Legend Administration (basic legend elements)

The elements that form the basic attributes of a legend in Soil Survey Schedule are the survey status, date the MOU was signed, the lead agency responsible for the soil survey, the projected completion date, the project scale and the breakdown of acres for each land category in the survey area.

Edit Setup - **Soil Survey Project Management**



Survey Status (MO/State)

Five survey status codes are used to describe the condition of the soil survey. In the legend table for the element survey status select from choice list one of the five status codes.

Program importance: The survey status provides management with an accurate view of the current condition of soil survey in the United States. This information is used in justifying updating surveys that no long meet user needs and the continuing efforts to complete the once over soil survey of the United States.

Published

Modern published soil survey that meets the current needs of users.

Out of Date

Soil survey does not meet the current needs of users.

Update

Soil survey in process of being updated.

Project

Soil survey with a signed Memorandum of Understanding and is ongoing.

Non Project

Soil survey that has no publication and is not in project status.

MOU Signed (MO/State)

The date on which the memorandum of understanding was actually signed, expressed as month, day, year.

Program importance: While policy requires a signed memorandum of understanding to do soil survey within a soil survey area, the MOU also provides management with information that indicates local grass root support for the need of the current soil survey. This local grass root support helps justify congressional funding for the soil survey program.

MOU Agency Responsible (MO/State)

The lead agency designated as responsible for a particular soil survey. The lead agency is identified in the memorandum of understanding for the soil survey area. Enter from choice list.

MOU Projected Completion (MO/State)

The project date on which mapping in the soil survey area is expected to be completed as specified in the memorandum of understanding. Expressed as month and year date format.

Project Scale (MO/State)

The map scale in which the final map products will be published, expressed as the denominator of the scale, i.e. 24000 = 1:24000.

Land category (MO/State)

The *legend land category breakdown* table records the land categories and their acres that occur within the soil survey area. The seven (7) land categories are used:

Native American Land

Other non-federal land

Bureau of Land Management

U.S. Forest Service

National Park Service

Other federal land

Census water

Program importance: The total acres of all land categories recorded for the legend must equal the area acres for the survey in the area table. Acres may be rounded to the nearest hundred.

Imagery Assessment and Acquisition

These activities are identifying the imagery needs for a soil survey and acquiring the need imagery. The process begins at the local level with the projected date of when specific imagery (field or digital ortho quads) is needed. The soil survey schedule tracks the date imagery is needed, the date imagery is ordered, and the date when the imagery is received.

Edit Setup - **Cartographic Tracking**

Field Imagery Needed (MO/State)

The date by which imagery used in field mapping is needed for a particular soil survey, expressed as month, year.

Field Imagery Ordered (MO/State)

The date when the imagery used in field mapping for a particular soil survey is actually ordered, expressed as month, year.

Field Imagery Received (MO/State)

The date when the imagery used in field mapping for a particular soil survey are actually received, expressed as month, year.

Digital Ortho Quads Needed (MO/State)

The date by which digital ortho quads for a particular soil survey are needed, expressed as month, year.

Digital Ortho Quads Ordered (NCGC/NHQ)

The date when the digital ortho quads for a particular soil survey are actually ordered, expressed as month, year.

Digital Ortho Quads Received (MO/State)

The date when the digital ortho quads for a particular soil survey are actually received, expressed as month, year.

Compilation Materials Needed (MO/State)

The date by which the hard copy compilation materials are needed, expressed as month, year.

Compilation Materials Ordered (NCGC)

The date when the hard copy compilation materials for a particular soil survey is actually ordered, expressed as month, year.

Compilation Materials Received (MO/State)

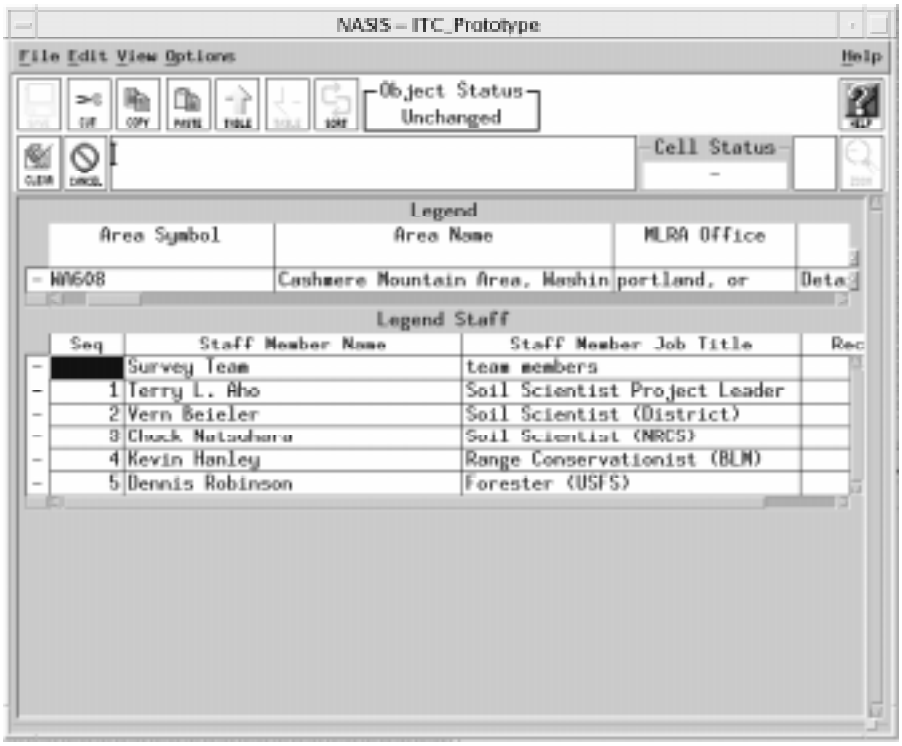
The date when the hard copy compilation materials are actually received, expressed as month, year.

Survey Staff Members

The ability to record soil survey staff members is a new feature in the Soil Survey Schedule. While this feature is optional for data population it does provide at the local level the capability for setting goals and reporting progress by individual survey members rather than by the survey team as a whole.

Enter staff member name and job title as appropriate. For soil survey staffs that include staff members from different cooperative agencies include at the end of job title the employing agency in parenthesis.

When goals and progress are reported for the survey area as a whole, enter a member name "Survey Team" with job title "team members" to be used for survey area goal setting and progress reporting.



Setting Fiscal Year Goals (MO/State)

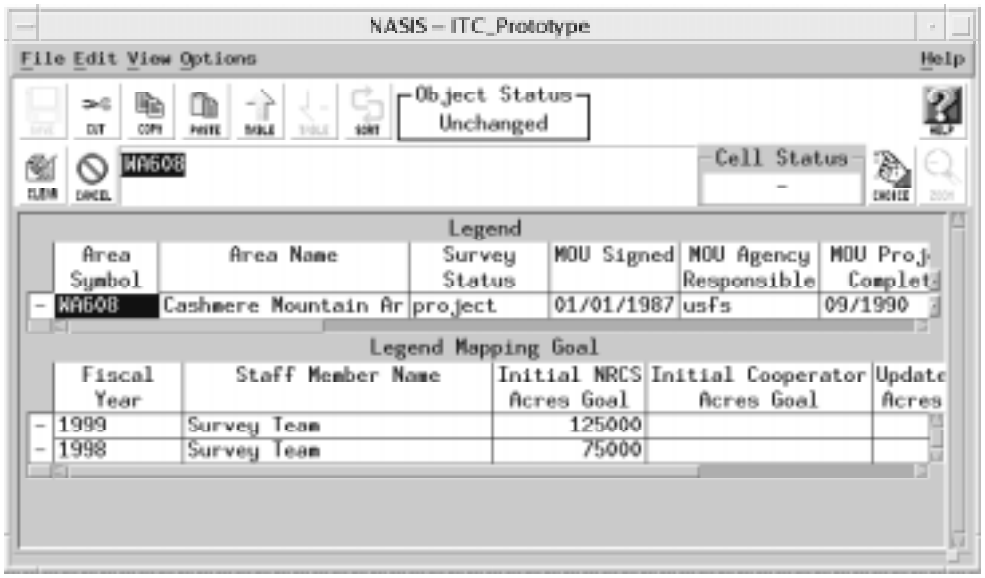
There are two options for setting fiscal year mapping goals.

- Option 1, is to establish and enter the fiscal year mapping goal for the combined soil survey team.
- Option 2, is to establish and enter the fiscal year mapping goals for each individual soil survey staff member.

Edit Setup - **Soil Survey Project Management**

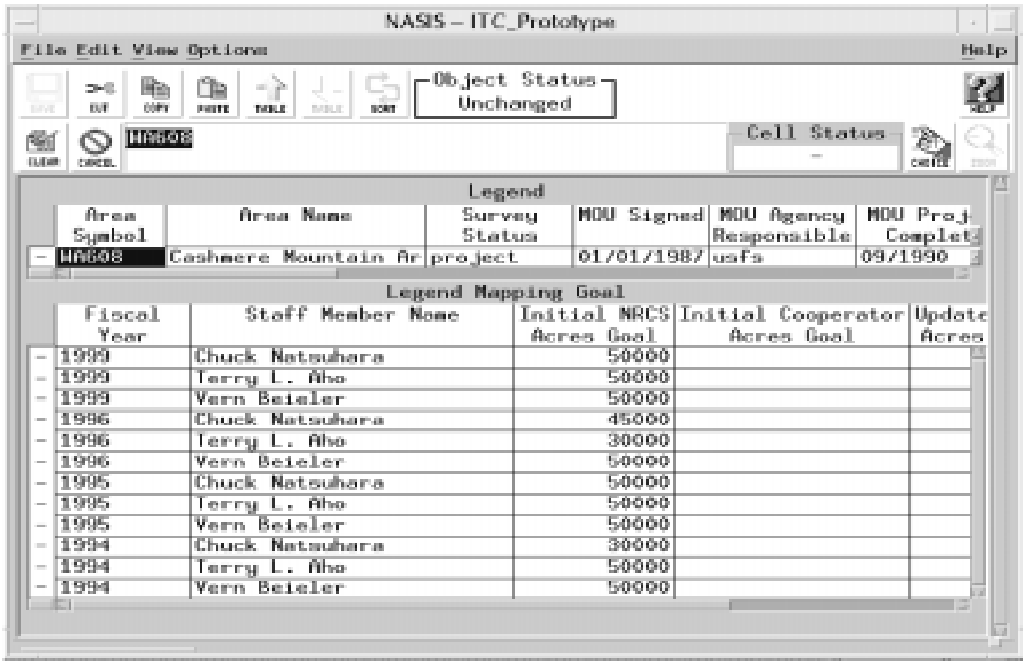
Option 1

Enter one new row for the fiscal year and enter the acre goal in one or more of the appropriate mapping categories.



Option 2

Enter a row for each individual staff member and that staff member's goal in one or more the appropriate mapping categories.



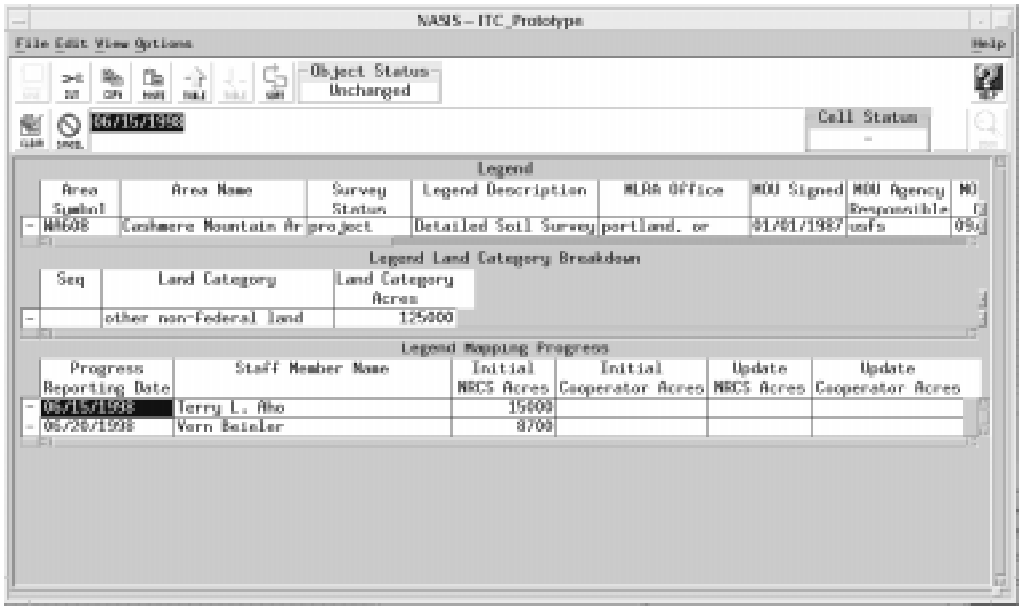
Option 2 provides individual soil survey staff members the ability to record and track their own progress throughout the course of the mapping season. While individual mapping goals are not needed on a national level they do provide the project office and in some case the MLRA or State Office with a valuable tool to assist in the operation and management of the local soil survey program.

Reporting Mapping Progress

Reporting mapping progress on a quarterly basis, monthly basis or weekly basis is done in the *legend mapping progress* table. Report acres mapped since last reporting date. For each land category of reportable acres, enter the progress reporting date and the acres reported for the appropriate reporting categories (initial NRCS, initial Cooperator, update NRCS, and update Cooperator). Progress can be reported as a single entry for the survey team or reported individually by staff member.

Edit Setup - **Soil Survey Project Management**

In this example progress is reported by individual staff members.



When reporting progress by survey area as a whole and not by individual, enter progress reporting date, enter Survey Team in staff member name column and enter reported acres.

Program importance*:* Recording goals and reporting progress by individual staff members provides more flexibility for the local level to manage and track individual and survey progress.

Soil Survey Area Completion Dates

Three important dates are used to track the status and progress of the soil survey area. These dates are the date of the initial field review, the date of the final field review and the date of final correlation for the survey area is signed. In the older Soil Survey Schedule entering a date triggered schedule dates for other activities. In NASIS Soil Survey Schedule entering a date for final field review complete does not automatically trigger other dates for schedule.

Edit Setup - **Soil Survey Project Management**

Initial Field Review Complete (MO)

Enter the date on which the initial field review was actually completed, expressed as month, day, year.

Final Field Review Complete (MO)

Enter the date on which the final field review was actually completed, expressed as month, day, year.

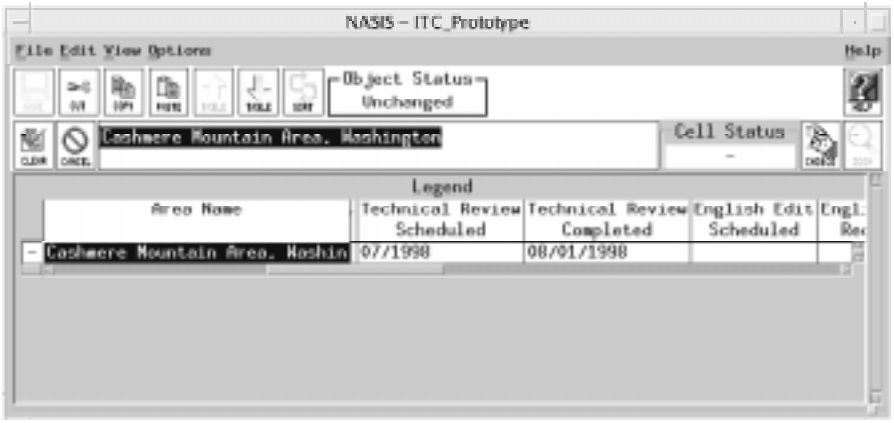
Correlation Date (MO)

Enter the date of final correlation of the soil survey area, expressed as month, year.

Manuscript and Product Development

The elements used in the manuscript and product development include attributes that record estimated schedule dates of an activity and completion dates of the activity. The schedule dates provide a tool for planning and management of workloads. The elements to track the manuscript and product development are in the *Legend* table and the *Legend Product* table. As a general rule dates that are projected, planned or scheduled are expressed as month, year. Dates that are actually completion dates are expressed as month, day, year.

Edit Setup - **Manuscript Tracking**



The Following are in the *Legend* table

These elements track the development and review of the manuscript.

Technical Edit Scheduled (MO/State)

The planned date for the field or state completing the 100 percent technical edit, expressed as month, year.

Technical Edit completed (MO/State)

The date that 100 percent technical edit is complete, expressed as month, day, year.

Technical Review Scheduled (MO)

The planned date for the MLRA office to complete the 10 percent technical review, expressed as month, year.

Technical Review Completed (MO)

The date that the 10 percent technical review was actually completed, expressed as month, day, year. The manuscript is returned to field or state for updating comments of the 10 percent technical review.

English Edit Received (MO)

The date on which the technically edited and reviewed manuscript was received at the MRLA office for English edit, expressed as month, year.

English Edit Scheduled (MO)

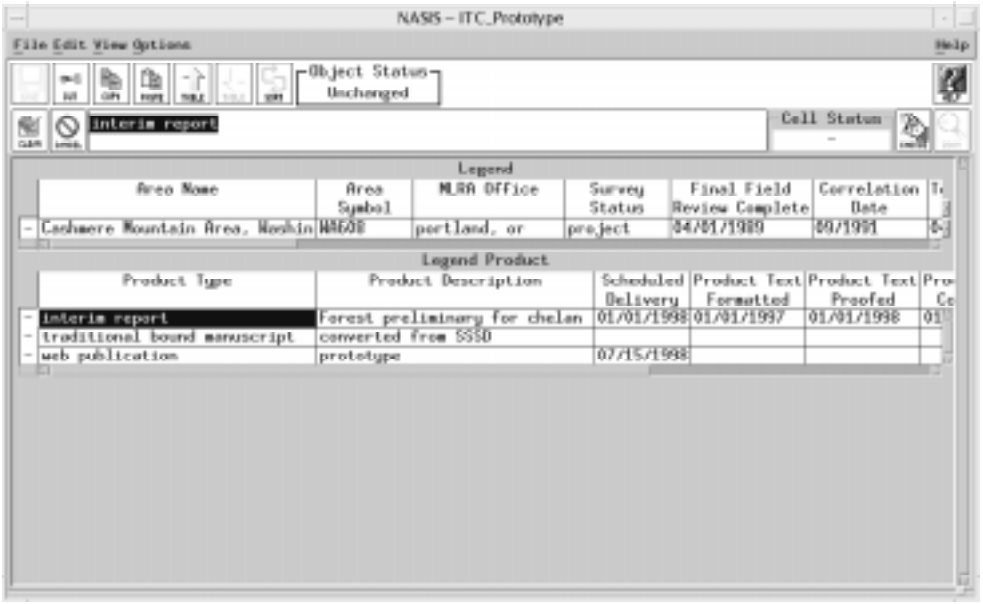
The project planned date on which the English edit is scheduled to be completed, expressed as month, year.

English Edit Completed (MO)

The date on which the English edit was actually completed, expressed as month, day, year.

The following are in the *Legend Product* table.

Edit Setup - **Default**



The legend product table elements track the final stages of production of the manuscript regardless of the type of product.

Product Type (MO/State)

Enter the type of product being developed. Product type may include interim report, soil survey report on CD-ROM, Web publication, or traditional bound manuscript.

Product Description (MO/State)

Enter a short, description of a particular soil survey area product. A product might be either an interim product of one of a number of potential end products. For example for product type interim report there may be one for the local city, a district watershed project, or other interim user needed product.

Product Scheduled Delivery (MO/State)

The date on which a soil survey area product is scheduled to be delivered, expressed as month, day, year.

Product Text Formatted (MO/State)

The date on which the product text is typeset and ready to be proofread, expressed as month, day, year. This applies not only to the creation of hardcopy production but also in the formatting for Web or CD-ROM production.

Product Text Proofed (MO/State)

The date on which the typeset and proofread product text is sent for final revisions, expressed as month, day, year.

Product Text Completed (MO/State)

The date on which the final revisions have been made to the product text and the product text in its final form prior to being sent for publication, expressed as month, day, year.

Product Text Submitted (MO/State)

The date on which the final product text is actually submitted for publication, expressed as month, day, year.

Actual Delivery (MO/State)

The date on which a soil survey area product is actually delivered, expressed as month, day, year.

Availability Status (MO/State)

Indicates whether or not a particular soil survey area product is still available or in print.

Map Finishing

The activities involved in manually or digitally developing, archiving and maintaining data and text layers for soil survey publication maps. The soil survey schedule tracking elements include method of map finishing, start date, progress, completion date and date when map materials are sent to National Cartography and Geospatial Center (NCGC).

Edit Setup - **Cartographic Tracking**

Map Finish Method (MO/State)

Enter the method to be used for the map finishing job of a particular soil survey, Manual or Digital.

Map Finish Started (MO/State)

The date on which the map finishing job for a particular soil survey is actually started, expressed as month, day, year.

Map Finish Progress (MO/State)

The cumulative percentage of the map finishing job for a particular soil survey that is complete, as of the reporting date.

Map Finish Completed (MO/State)

The date on which the map finishing job of a particular soil survey is actually completed, expressed as month, day, year.

Map Finish to NCG (MO/State)

The date on which the map finishing job of a particular soil survey is actually sent to NCGC, expressed as month, day, year.

SSURGO

Soil survey information is automated in soil geographic databases for the purpose of facilitating the storage, retrieval, analysis, display, and delivery of digital soil data. The creation of the Soil Survey Geographic (SSURGO) database for a soil survey area involves the activities of compiling the map sheets, digitizing, certifying and archiving the data set.

The Soil Survey Schedule tracks the various activities in the creation of a SSURGO database for a soil survey. The Soil Survey Schedule also tracks each SSURGO project that is part of the national SSURGO initiative.

Edit Setup - **Cartographic Tracking**

SSURGO Initiative (NHQ)

This element indicates whether or not a soil survey area is part of the SSURGO digitizing initiative.

SSURGO Certification (DU)

The date on which the SSURGO product for a particular soil survey is certified, expressed as month, day, year.

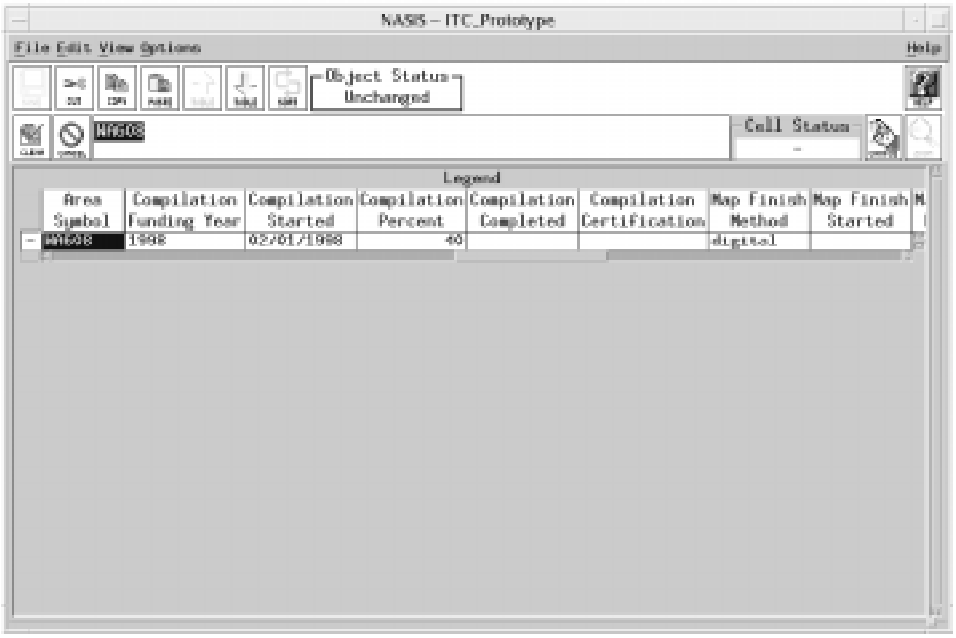
SSURGO Archived (NCGC)

The date on which the SSURGO product for a particular soil survey is actually archived, expressed as month, day, year.

Compiling

The activities involved in compilation of soil survey maps for on-going soil surveys or published soil surveys for the purpose of digitizing or preparations for map finishing. The soil survey schedule tracks funding, start date, progress, completion date and compilation certification.

Edit Setup - **Cartographic Tracking**



Compilation Funding Year (NHQ)

The fiscal year in which the compilation job for a particular soil survey is funded, expressed as year only (i.e. 1998). The compilation funding year is populated only for compilation being funded as part of the SSURGO initiative.

Compilation Started (State)

The date on which the compilation job for a particular soil survey is actually started, expressed as month, day, year.

Compilation Percent (State)

The cumulative percentage of the compilation job for a particular soil survey that is complete, as of the reporting date.

Compilation Completed (State)

The date on which the compilation job of a particular soil survey is actually completed, expressed as month, day, year.

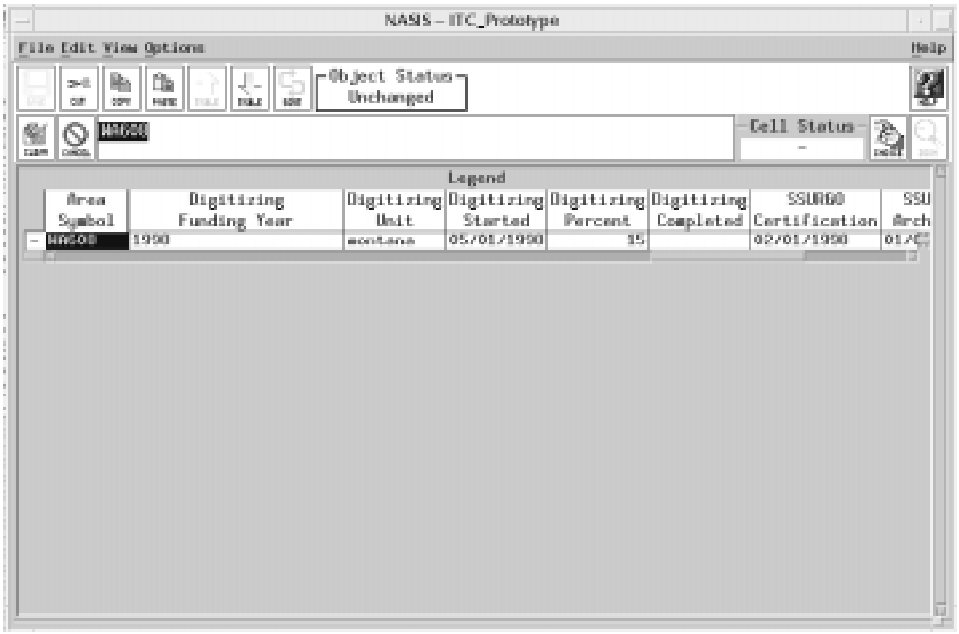
Compilation Certification (State)

The date on which the compilation job of a particular soil survey area was actually certified, expressed as month, day, year.

Digitizing

The activities involved in digitizing soil survey areas. The activities include progressive digitizing of on-going soil surveys, published soil surveys and soil surveys as part of the SSURGO initiative. The soil survey schedule tracking elements include, funding, start date, progress, and completion date.

Edit Setup - **Cartographic Tracking**



Digitizing Funding Year (NHQ)

The fiscal year in which the digitizing job for a particular soil survey is funded, expressed as year only (i.e. 1998). The digitizing funding year is populated only for digitizing being funded as part of the SSURGO initiative.

Digitizing Unit (MO/State)

The particular NRCS or non-NRCS organizational unit responsible for the digitizing of a particular soil survey.

Digitizing Started (DU)

The date on which digitizing of a particular soil survey is started, expressed as month, day, year.

Digitizing percent (DU)

The percentage of the digitizing job for a particular soil survey that is completed.

Digitizing Completed (DU)

The date on which the digitizing of a particular soil survey is actually completed, expressed as month, day, year.

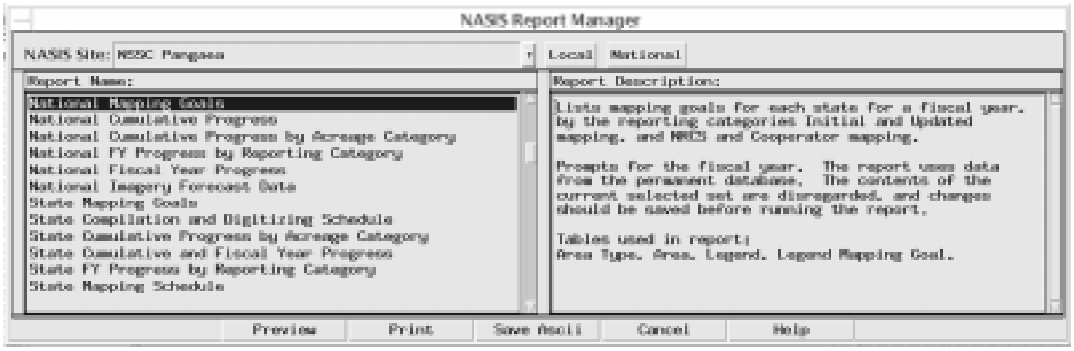
Soil Business Completed (MO/State)

The data on which the miscellaneous soil business functions (attribute review/update, correlation amendments, metadata creation) associated with SSURGO development for a soil survey are actually completed, expressed as month, day, year.

Chapter 3 Reports

The initial set of reports for the NASIS Soil Survey Schedule will be the same reporting capability that was available in SSSD. The reports will provide the flexibility to create reports on status and progress based on a variety of administrative areas (MO, State, DU, RO, NHQ).

While the initial set of reports are based on the reports from SSSD, additional reports will be added as needed. In addition, local reports can be created to provide customized local operation and management reports.



State mapping Schedule

Prints soil survey schedule data for the legends the user has selected. Report includes the MOU date, agency, estimated completion, cumulative acres mapped, dates of initial and final field review, technical edit, technical review and correlation date.

State Compilation and Digitizing Schedule

Prints compilation and digitizing schedule data for the legends the user has selected. Report includes the MOU agency, compilation funding year, and the following compilation milestones dates: materials needed, materials, ordered, materials received, compilation started, completed, certified, percent completion, and date soil business completed. For Digitizing, it includes the funding year, the digitizing unit, the dates started and completed, and the percent completion.

Individual Area Fiscal Year progress

Prints progress report for a single legend showing goals and acres mapped for the selected fiscal year, and cumulative acres mapped.

State Cumulative and Fiscal Year progress

Prints progress report for a state showing the total acres mapped for the selected fiscal year and cumulative acres mapped for all years up to the selected fiscal year.

State FY Progress by Reporting Category

Prints progress report for a state showing each survey area and the acres mapped for the selected fiscal year, by the reporting categories initial and updated mapping, and NRCS and Cooperator mapping.

State Cumulative Progress by Acreage Category

Prints progress report for a state showing total acres and cumulative acres mapped for each survey area, by land category breakdown.

State Goals

Prints a list of mapping goals for each survey area for a fiscal year, by the reporting categories Initial and Updated mapping, and NRCS and Cooperator mapping.

Imagery Forecast Data

Prints a list of the dates that field imagery and digital ortho quads are needed for each survey area in state.

National Fiscal Year Progress

Prints a national progress report showing the total acres mapped for the selected fiscal year and cumulative acres mapped for all years up to the selected fiscal year.

National FY Progress by Reporting Category

Prints a national progress report for the fiscal year by state, showing the acres mapped by the reporting categories Initial and Update mapping, and NRCS and Cooperator mapping.

National Cumulative progress

Prints a national report listing the complete cumulative mapping progress by state, showing the total state acres and Initial and Updated mapping.

National Cumulative progress by Acreage Category

Prints a national report listing the complete cumulative mapping progress by state showing total acres and cumulative acres mapped by land category breakdown.

National Goals

Prints a list of mapping goals for each state for a fiscal year, by the reporting categories Initial and Updated mapping, and NRCS and Cooperator mapping.

National Imagery Forecast Data

Prints a national report listing the dates that field imagery and digital ortho quads are needed for each survey area in the nation that has a date recorded for field imagery or digital ortho quads or needed.

Chapter 4 Conversion Issues

The conversion of Soil Survey Schedule data from SSSD into NASIS 4.0 may result in some questions and issues that need to be corrected in NASIS. All conversion issues are recorded in a single legend text for the specific soil survey area. The conversion text are in the legend text table with the Kind equal to "edit notes" and the Category equal to conversion.

A Soil Survey Schedule conversion error report can be run to print out a list of those legends that conversion problem occurred. From the list of issues the user can query and load the appropriate legend and correct the conversion problem.

Unknown Legend

This occurs during conversion when the SSSD soil survey area symbol, area name, correlation date and status do not exactly match the area symbol, name, correlation date and area status of a legend in NASIS. A new legend is automatically created with the soil survey area symbol, area name, correlation date, and status from SSSD. This new legend has the legend description populated with "Unknown SSSD created legend".

The most likely reason for a unknown legend is that the status of the legend in SSSD has been updated to reflect a change in the soil survey area status, however, the original converted soil survey data in NASIS has not yet been updated.

Invalid Dates

The dates in SSSD will be converted if the date is consistent with the expected format. SSSD date format is commonly MMYY. During conversion an invalid date occurs when the MM is not an integer from 1 to 12 or the YY is not an integer from 00 to 99. If the date can not be translated the column name that the date was to be converted into is given in the legend text along with the actual data from SSSD.

Example:

Invalid date Final Field Review Complete = 00/00

Invalid Codes

The codes in SSSD will be converted to NASIS codes. If a SSSD code can not be converted the column name that the codes was to be converted into will be given along with the invalid code.

User will then be able to go into NASIS and update and correct those data elements that could not be converted. In most cases the invalid code will be easily deciphered and the correct code inputted into NASIS.

Examples:

Invalid Agency code = BL^M

Invalid Land Category = bl^m

Initial and Update Acres

Found both initial and update acres for progress category _____, this warning message is a common conversion issue that will need to be addressed. In SSSD only one survey area could be recorded at any single time. As a result many of the survey areas in SSSD have both initial cumulative acres and update cumulative acres when a published or out-of-date survey area has gone into update status.

During conversion both the initial cumulative acres and the update cumulative acres are loaded into the matching legends mapping progress table. In most cases the initial cumulative acres should be in an older legend (published or out-of-date) and the update cumulative acres should be in the newer version of the legend (update or published).

Unless the acres are corrected any reporting of progress will result in an incorrect acre completion totals.

Conversion Check List

❑ Run SSS Unknown Created Legend Report

These are legends from SSSD where an exact match was not found in area symbol, area name, status and correlation date. The common reason is that the legend status has changed in SSSD but NASIS has not been updated.

❑ Run SSS Conversion Error Report

For each legend where problems during conversion occurred a record in the legend text table records the conversion issue. The most common conversion issue is likely to be the both initial and update acres are found.

❑ Validate land Category Breakdown Acres

While have legends loaded in the selected set and cursor in the legend table, then click the **Options** menu and select **Validate Data Elements**, and choose **Land Category Acres** with Use all Rows currently loaded checked, then **Apply.** A validation report will list legends that have area acres and total land category acres that do not match.

❑ Run Legend Summary Report

This report outputs all legends in your selected set grouped by area type. The report displays the area symbol, area name, legend description, status, correlation date and NASIS site group. Review legends looking for duplicates, especially duplicates with Area Type: [NSSC Pangaea] Non-MLRA Soil Survey Area. The Soil Survey Schedule uses the Pangaea Area Type - Non-MLRA Soil Survey Area to report goals and progress. Duplicate legends used for training purposes or working copy purposes should link the duplicate legend to a local created Area Type - Non-MLRA Soil Survey Area (local).